



Applied Chemistry (with Lab Manual)

Author : Anju Rawlley, D. V. Saraf

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Publisher : Khanna Publishing House

M.R.P : Rs 295.00

Categories : [AICTE Prescribed Textbooks,](#)
[Telugu Books, Book Store, Ebooks](#)

Condition Type : New

Country Origin : India

Product Description

This textbook on “Applied Chemistry” is developed as per AICTE model curriculum, 2018, for compulsory course on Applied Chemistry of first years Diploma Programming in Engineering and Technology. Atomic Structure, Chemical Bonding & Solution, Water, Engineering Materials, Chemistry of fuels & Lubricants and Electrochemistry are the five units of this book, comprising of both practical and theory.

Some salient features of the book:

1. Course Outcomes and Unit Outcomes are written specifically and are mapped with programming Outcomes.
2. Utmost care has been taken to amalgamate the philosophy of outcome-based education.
3. The structure of the textbook is comprehensive, where practical exercises are an integral part of each unit.
4. The text is presented in a very simple way with illustrations, examples, tables, flow chart, self-assessment questions and their solutions.
5. Micro projects, points/issue for the creative inquisitiveness & curiosity, know more, video links, case study and summary points are an integral part of each unit to facilitate the students to develop the attitude of scientific inquiry, investigate the cause-and-effect relationship, systematic, scientific & logical thinking, ability to observe, analysis and interpret.
6. To meet the requirement of outcome-based education (OBE) and outcome-based assessment (OBA), criterion referenced testing (CRT) has been used as an integral part of assessment in each practical.
7. Sample QR codes have been provided in each unit on some topics/subtopics for supplementary reading and reinforcing the learning.

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- Engineering Materials.
- Chemistry of Fuels and Lubricants.
- Electro Chemistry.

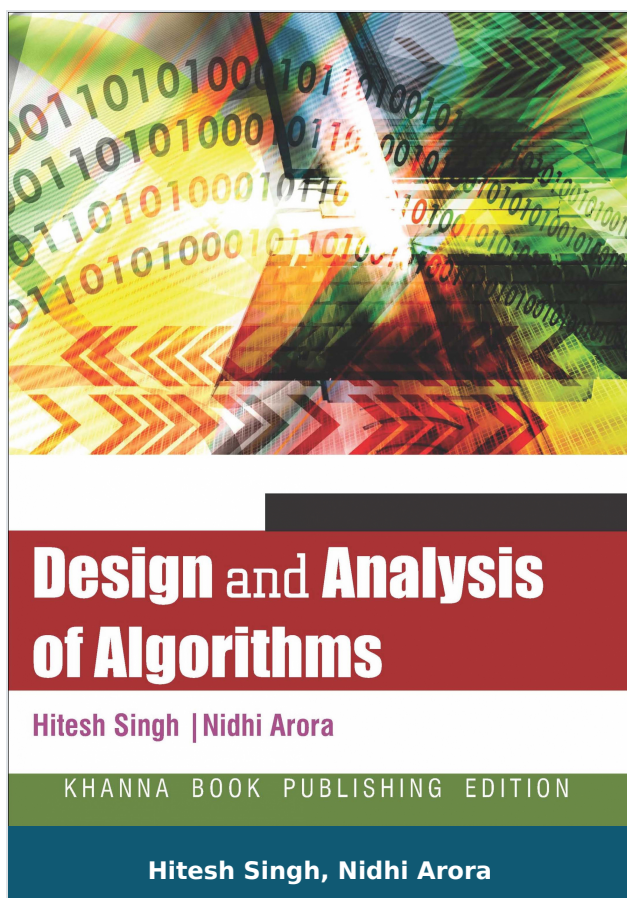
Author

Anju Rawlley

Anju Rawlley Devdatta Vinayakaraao Saraf

D. V. Saraf

D. V. Saraf



Design and Analysis of Algorithms

Author : Hitesh Singh, Nidhi Arora

ISBN 13 : 978-93-81068-81-6

ISBN 10 : 938106881X

E-ISBN 13 : 978-93-81068-81-6

Edition : 1

Pages : 416

Type of book : Physical

Year : 2013

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 325.00

Categories : [Computer Science Engineering,](#)
[Book Store](#)

Condition Type : New

Country Origin : India

Product Description

The focus of this book is on how to design good algorithms and how to analyze their efficiency. Various methods/ideas are explained with the help of examples which helps in developing fast and efficient algorithms. This book will also provide the correctness of algorithms and analyzing the algorithms. At the end of the chapters it has questions both solved and unsolved which has come in various Indian universities.

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- Approximate Algorithms
- NP-Completeness
- Matrix Operation
- Backtracking
- Model Questions
- End-Term Examination

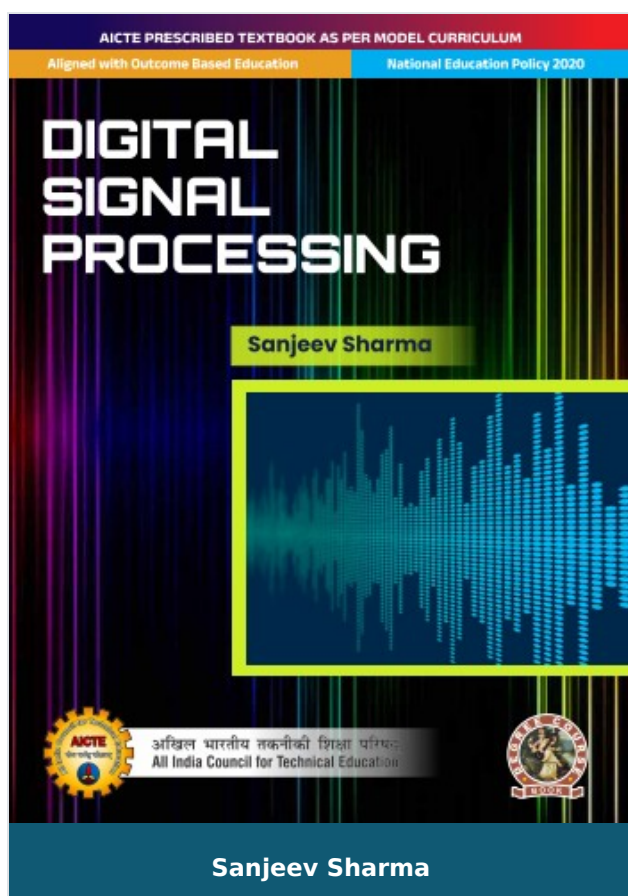
Author

Hitesh Singh

Hitesh Singh Hitesh Singh has done M.Tech from C-DAC, Noida, in CSE. His research area are information security, Steganography, Algorithms and Software Engineering.

Nidhi Arora

Dr. Nidhi Arora is MBA, MCA and doctorate in Computer Science. She is an author of various books and also published research papers in reputed journals.



Digital Signal Processing

Author :	Sanjeev Sharma
ISBN 13 :	978-93-55386-57-1
ISBN 10 :	9355386575
E-ISBN 13 :	978-93-55386-57-1
Edition :	First
Pages :	252
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 418.00
Categories :	AICTE Prescribed Textbooks, English Books, Book Store
Condition Type :	New
Country Origin :	India

Product Description

Digital Signal Processing

This book familiarizes students with different domains of electronics communication. The main purpose of this book is to help students and researchers understand the basics of signal processing concepts. The content is aligned with the model curriculum of AICTE and follows the concepts of outcome-based education as per the National Education Policy (NEP)2020.

Salient Features:

- The content of the book is aligned with the mapping of Course Outcomes, Program Outcomes, And Unit Outcomes.
- At the beginning of each unit, learning outcomes are listed to help students understand what is expected of them after completing the unit.
- The book provides lots of recent information, QR codes for resources, projects, and more.
- Figures, tables, and software screenshots are included to enhance the clarity of the topics.
- Many solved examples are included in each chapter to improve the numerical solving
- Skills not students.
- Exercises are provided for student practice after every chapter.
- Applications of digital signal processing are included.

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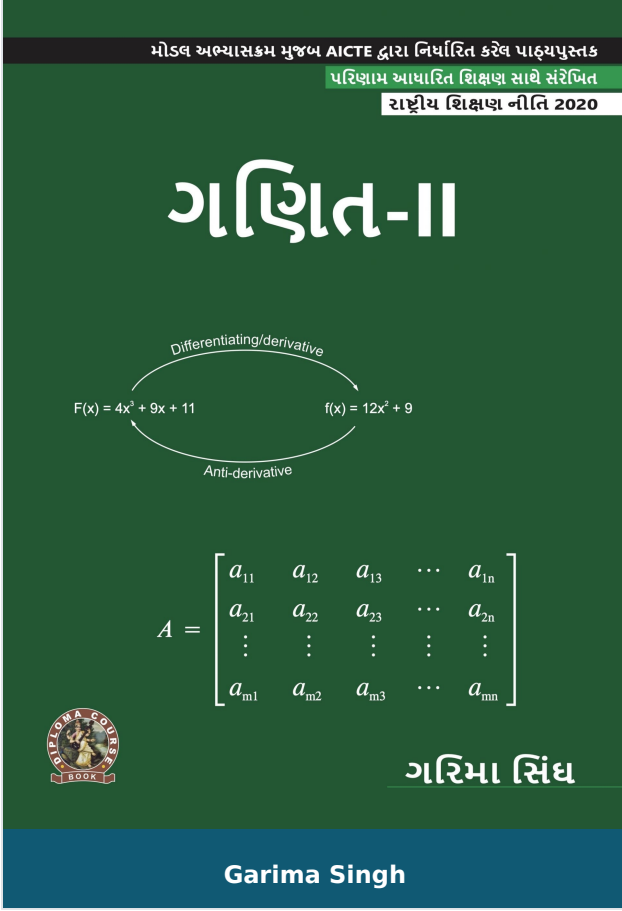
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- FFT: Fast Fourier Transform
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- Multirate Digital Signal Processing
- Application of Digital Signal Processing
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- Digital Signal Processing Laboratory
- CO and PO attainment table

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Author

Sanjeev Sharma

Dr. Sanjeev Sharma Assistant Professor Department of Electronics Engineering, Indian Institute of Technology (BHU), Varanasi



Mathematics - II

Author : Garima Singh

ISBN 13 : 978-93-55380-43-2

ISBN 10 : 9355380437

E-ISBN 13 : 978-93-55380-43-2

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Type of book : Physical

Year : 2025

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Publisher : Khanna Publishing House

M.R.P : Rs 395.00

Categories : [AICTE Prescribed Textbooks,](#)
[Gujarati Books, Book Store,](#)
[Ebooks](#)

Condition Type : New

Country Origin : India

Product Description

“Mathematics-II” is a Compulsory paper for the first year students of Diploma engineering courses (common to all branches). Syllabus of this book is strictly aligned to the model curriculum of AICTE. And academic content is amalgamated with the concept of outcome based education. Apart from diploma it is useful for all students who are interested in basic /elementary mathematics and competitive examinations.

Book covers seven topics- Determinants, Matrices, Integral Calculus and it's applications. Co-ordinate Geometry and it's applications, vectors and it's applications, Differential equations. Basic of MATLAB.

Each topic is written in an easy and lucid manner with a holistic view. There has been deliberated attempt to keep the number of pages in the book minimum without compromising with the matter. Every chapter contains a set of exercises at the end of each unit to test the student's comprehension.

Some salient features of the book:

1. For direct recapitulation of main concepts, formulae and results a brief summary of each unit has been given.
2. Objective questions and subjective questions are given for practice of students after every unit.
3. Content of the book is aligned with the mapping of Course Outcomes, Programs Outcomes and uni Outcomes.
4. Apart from the theory explanation and solved examples book provides for mini projects, activities, fun facts, QR codes, case studies, video resources etc.
5. The text has been supplemented with notes, remarks, remember sections within grey boxes.

6. Student and teacher centric subject materials are included in the book in a balanced manner.
7. Real life applications are inserted to improve clarity of this topics.
8. Know more section has been introduced which constitutes of additional information related to the topic.
9. Check-out section has been introduced so as to active the curiosity part of the student by correlating all the topics studied in this book with MATLAB.
10. At the end of each unit. An excerpt related to eminent Indian Mathematicians is given so as to make .
11. Student have a glimpse of the rich Indian heritage, especially in the field of mathematics.

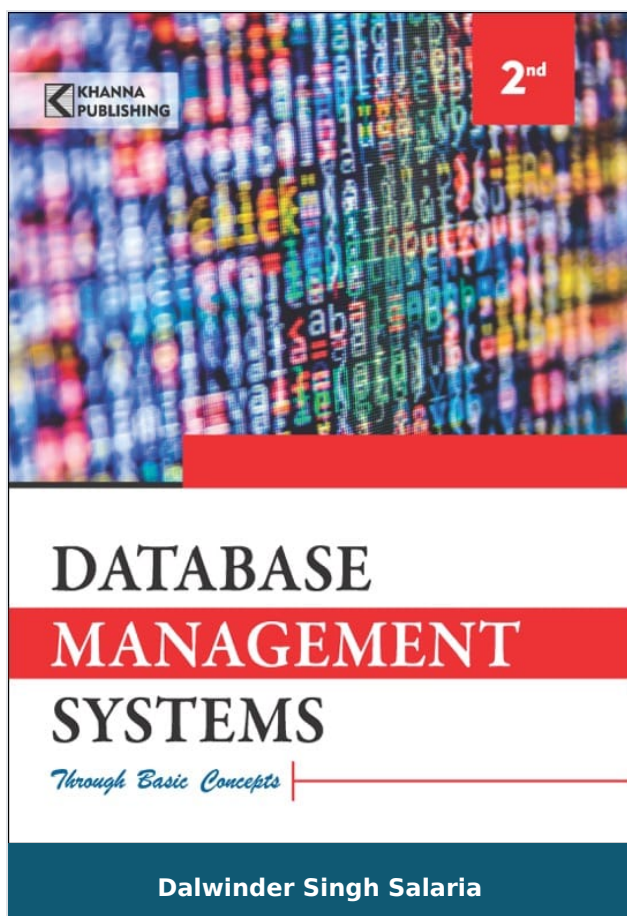
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- Integral Calculus
- Co-ordinate Geometry
- Vector Algebra
- Differential Equations
- Appendices & Annexures

Author

Garima Singh

Garima Singh



Database Management Systems

Author : Dalwinder Singh Salaria

ISBN 13 : 978-93-82609-76-6

ISBN 10 : 9382609768

E-ISBN 13 : 978-93-82609-76-6

Edition : Second

Pages : 366

Type of book : Physical

Year : 2017

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 294.00

Categories : [Computer Science Engineering,](#)
[Book Store](#)

Condition Type : New

Country Origin : India

Product Description

This book is specially designed to serve as first level textbook on the subject of Database Management Systems. The Subject of DBMS is of prime importance for the students of Computer Science and IT. It is of practical nature and requires thorough understanding of basics and concepts of the subject before putting them into practice. The best efforts are put in to the material in an illustrative manner that is easy to read and understand.

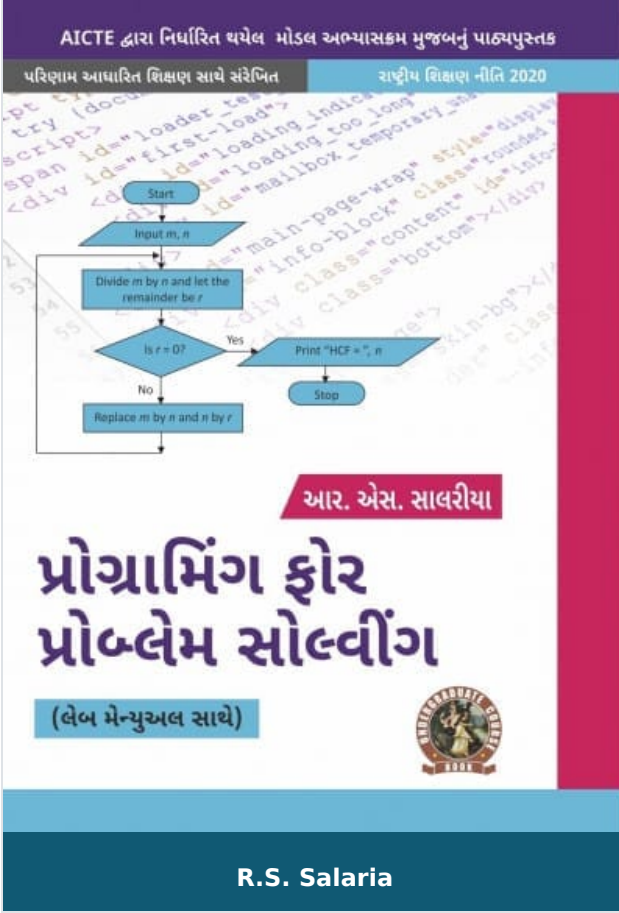
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- PL/SQL
- Distributed Database
- New Application

Author

Dalwinder Singh Salaria

Dalwinder Singh Salaria Assistant Professor Department of Computer Science & Engineering Lovely Professional University, Phagwara (Punjab)



Programming for Problem Solving (with Lab Manual)

Author :	R.S. Salaria
ISBN 13 :	978-93-55381-53-8
ISBN 10 :	9355381530
E-ISBN 13 :	978-93-55381-53-8
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Publisher :	Khanna Publishing House
M.R.P :	Rs 395.00
Categories :	AICTE Prescribed Textbooks, Gujarati Books, Book Store, Ebooks
Condition Type :	New
Country Origin :	India

Product Description

This textbook is designed as per the model curriculum of AICTE for the first year students of all branches of undergraduate programme in Engineering & Technology (BE/BTech).

The subject of programming for problem Solving aims at developing problem solving skills among the students and the skills to create programs in C language for their implementation.

This book emphasizes to empower the students to grasp the skills required for problem solving and to develop deep understanding of the constructs of C language. These aspects of the subject are well illustrated through enormous solved programming problems.

Salient Features:

1. Simple and lucid language that enables students to grasp the subject.
2. Demonstrates the elegant programming style.
3. 165+ ready to run programs for reference and to illustrate the program development process.
4. 135+ Short answer type questions to provide an opportunity for self-assessment of the fundamental concepts learned by answering them precisely.
5. 165+ multiple choice questions to provide an opportunity to synthesize the fundamental concepts.
6. 90+ Programming problems to provide an opportunity to harness programming skills.

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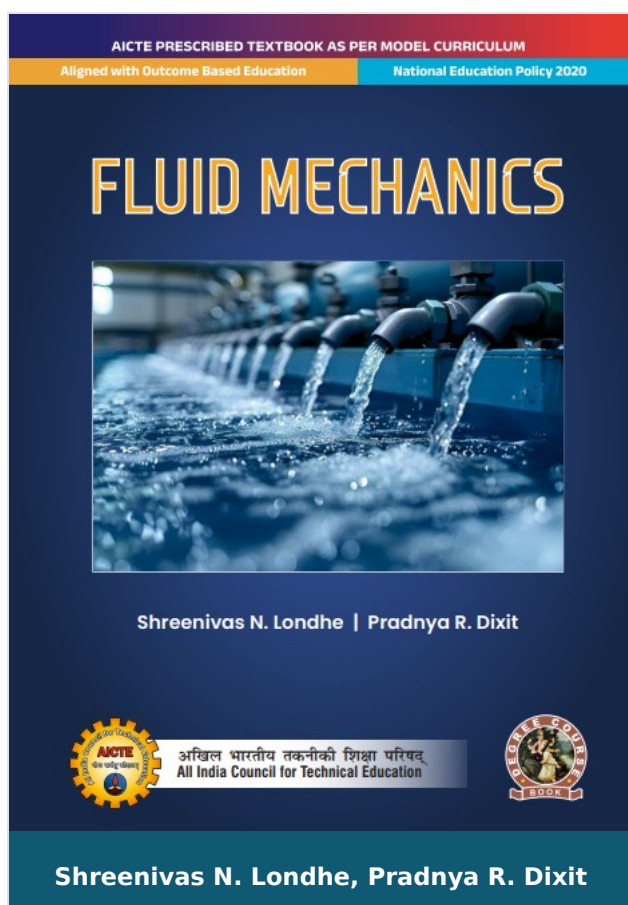
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Author

R.S. Salaria

Prof. R.S. Salaria is a superior teacher, a prolific author and a great motivator. He is an alumnus of IIT, Delhi. He is a Certified Software Quality professional by Ministry of Information Technology, Govt. of India: Sun Certified Programmer as well as Sun Certified Trainer by SUN Microsystems. He is a life member of computer society of India, Mumbai: Institution of Electronics and Telecommunication Engineers, New Delhi: Indian Society for Technical Education, New Delhi: Punjab Academy of Sciences, Patiala. Presently, he is talking initiatives to Sensitize the citizens of this great country about their fundamental responsibilities towards society and seeking their contributions to make the society a wonderful place for happy and peaceful living. </p>



Fluid Mechanics

Author :	Shreenivas N. Londhe, Pradnya R. Dixit
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Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320

Product Description

Fluid Mechanics

This book familiarizes the students to different domains of fluid Mechanics. This book includes fundamentals of fluid mechanics in total of six units as properties of fluids, fluid statics, buoyancy and flotation, fluid kinematics, fluid dynamics and dimensional analysis. Main purpose of this book is to help under graduate civil engineering students to understand and apply the basics of fluid mechanics to applications in engineering problems. The content of this book is aligned with the model curriculum of AICTE followed by concept of outcome-based education as per National Education Policy (NEP)2020.

Salient Features:

- Content of the book aligned with the mapping of Course Outcomes, Programs Outcomes and Unit Outcomes.
- In the beginning of each unit learning outcomes are listed to make the student understand what is expected out of him/her after completing that unit.
- Book provides lots of recent information, interesting facts, QR Code for E-resources, QR Code for use of ICT, projects, group discussion etc.
- Student and teacher centric subject materials included in book with balanced and chronological manner.
- Figures, tables, and software screen shots are inserted to improve clarity of the topics.
- Apart from essential information a 'Know More' section is also provided in each unit to extend the learning beyond syllabus.
- Short questions, objective questions and long answer exercises are given for practice of students after every chapter.

- Solved and unsolved problems including numerical examples are solved with systematic steps.

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- CO-PO Attainment Table
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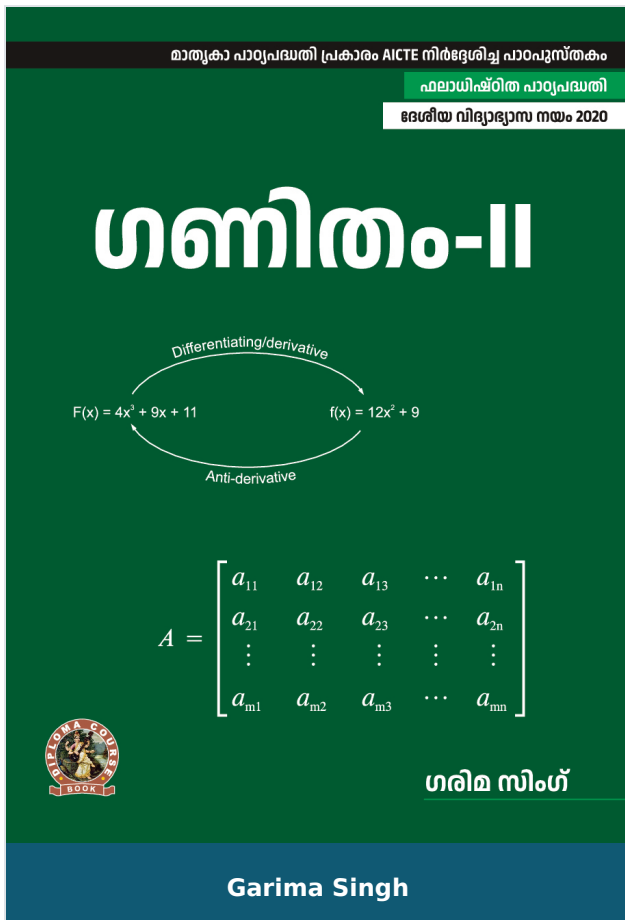
Author

Shreenivas N. Londhe

Dr. Shreenivas N. Londhe Professor, Department of Civil Engineering Vishwakarma Institute of Information Technology, Pune Dr.

Pradnya R. Dixit

Dr. Pradnya R. Dixit Associate Professor, Department of Civil Engineering Vishwakarma
Institute of Information Technology, Pune



Mathematics - II

Author : Garima Singh

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E-ISBN 13 : 978-93-55381-71-2

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Pages : 204

Type of book : Physical

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Language : English

Publisher : Khanna Publishing House

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Categories : [AICTE Prescribed Textbooks, Book Store, Ebooks, Malayalam Books](#)

Condition Type : New

Country Origin : India

Product Description

“Mathematics-II” is a Compulsory paper for the first year students of Diploma engineering courses (common to all branches). Syllabus of this book is strictly aligned to the model curriculum of AICTE. And academic content is amalgamated with the concept of outcome based education. Apart from diploma it is useful for all students who are interested in basic /elementary mathematics and competitive examinations.

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Each topic is written in an easy and lucid manner with a holistic view. There has been deliberated attempt to keep the number of pages in the book minimum without compromising with the matter. Every chapter contains a set of exercises at the end of each unit to test the student's comprehension.

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7. Real life applications are inserted to improve clarity of this topics.
8. Know more section has been introduced which constitutes of additional information related to the topic.
9. Check-out section has been introduced so as to active the curiosity part of the student by correlating all the topics studied in this book with MATLAB.
10. At the end of each unit. An excerpt related to eminent Indian Mathematicians is given so as to make .
11. Student have a glimpse of the rich Indian heritage, especially in the field of mathematics.

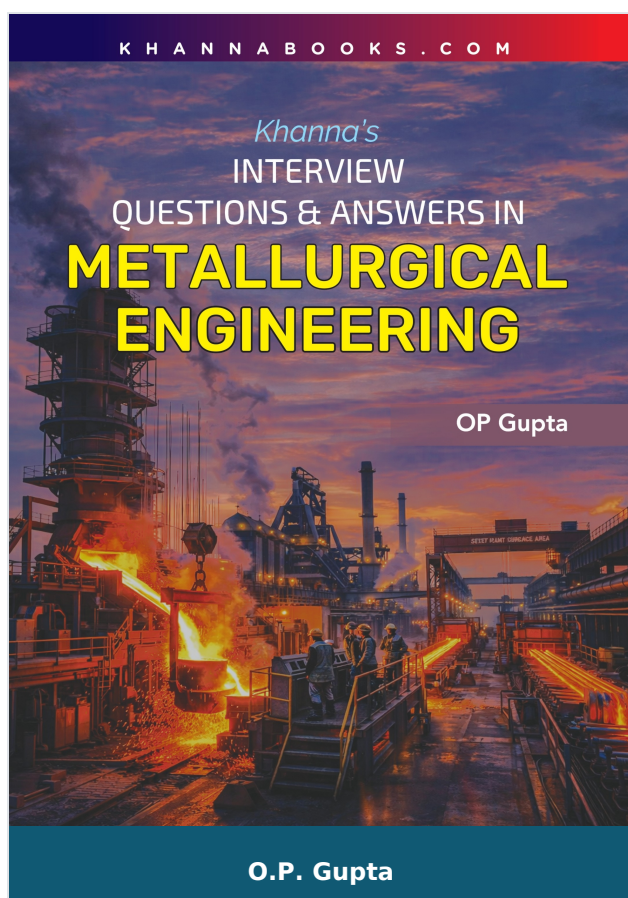
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- Determinants and Matrices
- Integral Calculus.
- Co-ordinate Geometry.
- Vector Algebra.
- Differential Equations.
- Appendices & Annexures.

Author

Garima Singh

Garima Singh



Khanna's Interview Questions & Answers in Metallurgical Engineering

Author :	O.P. Gupta
ISBN 13 :	978-93-77087-40-1
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4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320

Product Description

Interview Questions and Answers in Metallurgical Engineering is a definitive preparatory guide designed to bridge the gap between academic theory and professional practice. Authored by Om Prakash Gupta, an experienced industry veteran, the book serves as a comprehensive resource for students and engineers facing the rigors of technical interviews and competitive examinations. Its core theme centers on the practical application of metallurgical principles across a vast spectrum of materials and processes, ranging from foundational material science to advanced nanomaterials and smart technologies.

The primary purpose of this volume is to equip candidates with the precise, high-impact knowledge required by major public and private sector recruiters, such as SAIL, TATA Steel, and DRDO. By presenting information in a clear question-and-answer format, it demystifies complex topics like phase diagrams, heat treatments, and powder metallurgy, making them accessible for quick revision and deep understanding. Whether you are a diploma student, a postgraduate researcher, or a professional seeking a career transition, this book provides the practical value and academic rigor necessary to excel in the metallurgical engineering landscape.

Salient Features

- **Comprehensive Coverage:** Includes 35 specialized chapters ranging from foundational metallic structures to advanced nanomaterials and polymers.
- **Industry Alignment:** Specifically tailored to meet the technical standards of elite recruiters like SAIL, TATA Steel, ISRO, and DRDO.
- **Academic Integration:** Aligned with degree and diploma curricula, as well as professional exams like AMIE and AMIIM.

- **Process Expertise:** Offers functional insights into industrial workflows, including casting, welding, and metal forming.
- **Property Analysis:** Details the physical, chemical, and mechanical properties used for material selection in engineering.
- **Future-Ready Focus:** Covers modern "Smart" materials and advanced engineering technologies beyond traditional metallurgy.
- **Simplified Concepts:** Breaks down complex topics, such as the Iron-Carbon Equilibrium diagram and heat treatments, into digestible formats.
- **Quality & Safety:** Dedicated sections cover mechanical testing and corrosion control to ensure material reliability and longevity.

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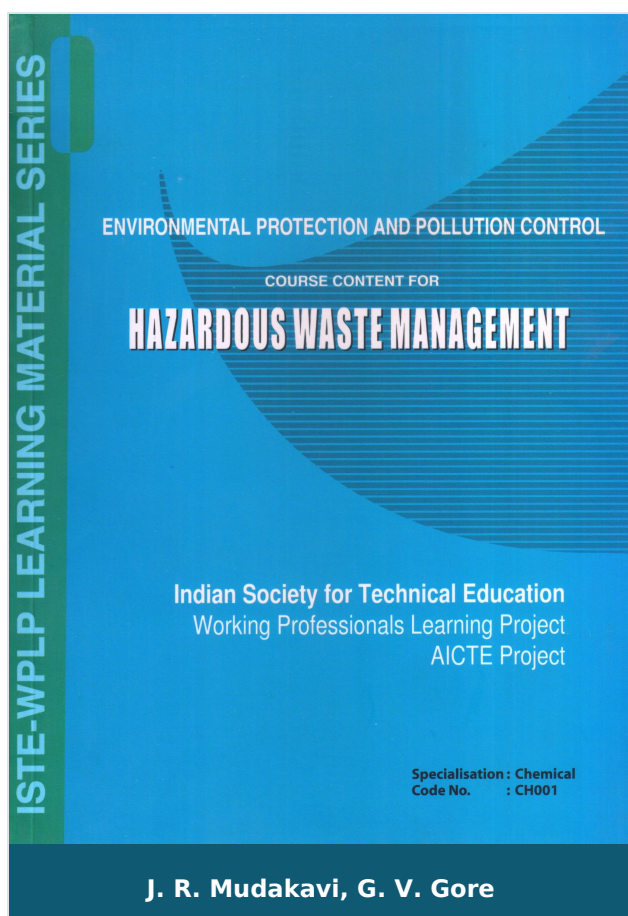
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- Nanomaterials
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- Modern Engineering Materials
- Corrosion
- Casting
- Glass Working
- Power Metallurgy(PM)
- Metal Forming Technology
- Metal Treatment/Coating
- Welding/ Soldering /Brazing
- Miscellaneous Questions

Author

O.P. Gupta

O.P. Gupta Om Prakash Gupta is basically being a chemical engineer, he has a practising experience of efficient Ennergy management and HR functions in steel Industry for more than three decades. privileged to be the youngest writer of technical books in the country (for he had written his first book at the age of 24 years while doing M. Tech. at I.I.T kanpur in 1979), he has authored many frontline books for engineering students. besides, being the regular faculty member in technical courses for Management Trainees (Technical), he has also visited england and france on a study tour sponsored by United Nations Development Programme (UNDP) to study the scope of energy conservation in steel plants in 1987.



Hazardous Waste Management

Author : J. R. Mudakavi, G. V. Gore

ISBN 13 : 978-93-55385-07-9

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Edition : 1

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Year : 2006

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 499.00

Categories : [Chemical Engineering, Book Store, ISTE Series](#)

Condition Type : New

Country Origin : India

Product Description

Environmental control is basically concerned with providing clean air and water, Since 1950's this concern has expanded into a wide range of activities, needing to find long lasting solutions for problems of global implications. One such topic is, Hazardous Waste Management. Typical solution to this problem involves, Monitoring, Treatment, Safe handling and Development of Control Technology. Thus, a new breed of scientists and technologists capable of dealing with transport, management and disposal of hazardous wastes is the need of hour.

Hazardous Waste Management problems are essentially divided into Management of currently generated wastes and pre-existing dump sites. Both these options have created a demand for trained Professional and Technologists to assess, monitor, design and implement suitable techniques for Hazardous Waste and Control. This module aims to fulfill this need.

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- J. R. Mudakavi
- J. R. Mudakavi
- G. V. Gore
- G. V. Gore

Author

J. R. Mudakavi

Dr. J. R. Mudukavi G. V. Gore

G. V. Gore

G. V. Gore



Engineering Graphics

Author :	Sharad K. Pradhan, K. K. Jain
ISBN 13 :	978-93-55380-00-5
ISBN 10 :	9355380003
E-ISBN 13 :	978-93-55380-00-5
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Year :	2023
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 395.00
Categories :	AICTE Prescribed Textbooks, Kannada Books, Book Store, Ebooks
Condition Type :	New
Country Origin :	India

Product Description

“ Engineering Graphics” is a compulsory paper for the first year Diploma course in Engineering & Technology. Syllabus of this book is strictly aligned as per model curriculum of AICTE, and academic content is amalgamated with the concept of outcome based education.

Book covers six topics- Basic Elements of drawing , Orthographic Projections, Isometric Projections, Free Hand Sketcher of Engineering Elements, Computer Aided Drafting Interface, Computer Aided Drafting. Each topic is written in easy and lucid manner. Every chapter contains a set of exercise at the end of each unit to test the student's comprehension.

Some salient features of the book:

1. Content of the book is aligned with the mapping of Course Outcomes, Programs Outcomes and Unit Outcomes.
2. In start of each unit learning outcomes are listed to make the student understand what is expected out of him/ her after completing that unit.
3. Book provides lots of recent information, interesting facts, Codes for E-resources, QR Code for use of ICT, projects, group discussion etc.
4. Student and teacher centric subject materials included in book with balanced and chronological manner.
5. Figures, tables and software screen shots are inserted to improve clarity of the topics.
6. Apart from essential information a 'Know More' section is also provided in each unit to extend the learning beyond syllabus.

7. Short questions, objective questions and long answer exercises are given for practice of students after every chapter.

8. Solved and unsolved problems including numerical examples are solved with systematic steps.

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- Computer Aided Drafting

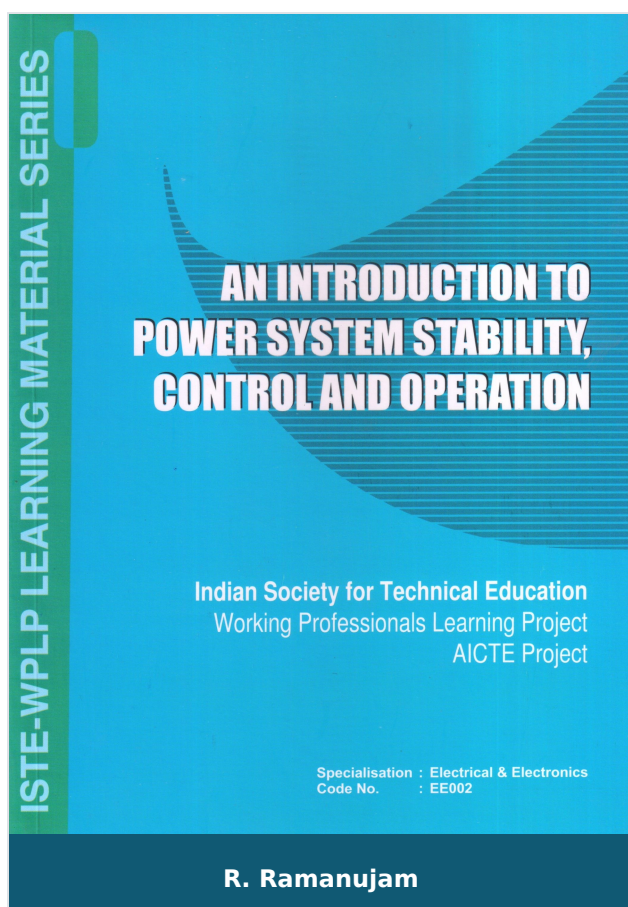
Author

Sharad K. Pradhan

Sharad K. Pradhan

K. K. Jain

K. K. Jain



An Introduction to Power System Stability, Control and Operation

Author :	R. Ramanujam
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E-ISBN 13 :	978-93-55384-32-4
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Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320

Product Description

Power system in India have come a long way since independence. Growth of a power system indicates the health of the economy of a country. But it is accompanied by complexity and this complexity that power system stability and control are relevant.

This book is organized into two sections. " Power System Stability" is covered in the first three chapters and " Power System Control" in the latter part of the book. Power system stability is perhaps the earliest dynamic problem the power system engineering had to deal with. It was referred to as "hunting" then. Since then, volumes have been written on this topic and even a preliminary treatment of the entire contribution is clearly out of scope of this book.

This learning material is intended for the Electrical Engineering Graduates working professional in power utilities / Independent Power Plants (IPP) in the supervisory cadre and power system planning engineering / system operators / power transmission product manufacturers / Protection Engineers.

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Author

R. Ramanujam

R. Ramanujam